

E4 (Extra-4) Reduced osmolarity extracellular to match Neurobasal Medium

Ingredient	Molarity (mM)	Mol. Wt.	g/liter	g/500 ml	g/100 ml
NaCl	120	58.44	7.0128	3.5064	0.7013
KCl	3	74.55	0.2237	0.1118	0.0224
HEPES	10	238.30	2.3830	1.1915	0.2383
CaCl ₂	2	110.99	0.2220	0.1110	0.0222
MgCl ₂	2	203.30	0.4066	0.2033	0.0407
glucose (dextrose)	10	180.16	1.8016	0.9008	0.1802
pH (NaOH)	7.35				
osmolarity	~240				

Note: Takes exactly 4 ml of 1N NaOH to pH 1L correctly